



CONSTRUCTION EQUIPMENT

W07012851 SOUTHERN VOLVO ECR235E 314093 - DIESEL ENGINE



Sample No: VCP418014
Oil Type: DIESEL ENGINE OIL SAE 15W40
Job No: W07012851 SOUTHERN



SAMPLE INFORMATION

Sample Number	VCP418014	VCP372932	VCP278410	---
Sample Date	26 Jul 2023	19 Jul 2022	02 Oct 2020	---
Machine Hours	2008	1373	464	---
Oil Hours	0	0	0	---
Oil Changed	Changed	Changed	Changed	---
Sample Status	NORMAL	NORMAL	NORMAL	---

McClung-Logan Virginia LLC- RICHMOND
 1345 MOUNTAIN ROAD
 GLEN ALLEN, VA
 US 23060
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OIL CONDITION

Visc @ 100°C	cSt	14.0	13.5	13.2	---
Base Number (BN)	mg KOH/g	6.2	8.8	---	---
Oxidation (PA)	%	88	82	61	---

Diagnosis

Resample at the next service interval to monitor. All component wear rates are normal. There is no indication of any contamination in the oil. The BN result indicates that there is suitable alkalinity remaining in the oil. The condition of the oil is suitable for further service.



CONTAMINATION

Soot %	%	0.2	0.1	0.2	---
Nitration (PA)	%	100	91	75	---
Sulfation (PA)	%	62	60	56	---
Glycol	%	NEG	NEG	NEG	---
Fuel	%	<1.0	<1.0	<1.0	---
Silicon	ppm	8	5	13	---
Sodium	ppm	4	<1	2	---
Potassium	ppm	1	1	2	---



WEAR METALS

Iron	ppm	34	14	21	---
Copper	ppm	2	2	7	---
Lead	ppm	<1	<1	<1	---
Tin	ppm	<1	<1	2	---
Aluminum	ppm	3	2	<1	---
Chromium	ppm	<1	<1	4	---
Molybdenum	ppm	53	50	10	---
Nickel	ppm	<1	0	8	---
Titanium	ppm	0	0	<1	---
Silver	ppm	0	0	0	---
Manganese	ppm	<1	<1	3	---
Vanadium	ppm	<1	0	0	---



ADDITIVES

Calcium	ppm	1322	1284	2229	---
Magnesium	ppm	795	752	120	---
Zinc	ppm	911	927	1043	---
Phosphorus	ppm	648	715	950	---
Barium	ppm	0	0	0	---
Boron	ppm	16	30	10	---

Depot: VOLVO8882
Unique No: 10577356
Signed: Wes Davis
Report Date: 31 Jul 2023



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GRAPHS

